ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Evan Winston	12/07/00	00-1136	—	301.925.0348	2013	DEV/CO

8. CCR Title: Test Executable 6A.02_STMGT.02 to VATC, & PVC. . STMGT fixes to improve performance.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 7Dec2000
(signature) 12/7/00	II	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 28).
(signature) for Tim Ortiz 12/7/00	Other	Emergency

16. Documentation/Drawings Impacted: N/A	17. Schedule Impact: N/A	18. CI(s) Affected:STGMT

19. Release Affected by this Change: 6A	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☒NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:
NCR ECSed28794,28791,28961,28938,29225, and 28291.

23. Problem: (use additional Sheets if necessary)
ECSed28794 - This fixes request retrieve and store hangs
ECSed28791 - This actually fixes memory leaks in all of the servers. The Archive Server is now growing 100 MB/hour instead of 400 MB/hour. The other servers are growing 100 MB/hour instead of 200 MB/hour.
ECSed28961 - Fixed the cold startup functionality to remove disks that are not in the DB but are in the file system
ECSed28938 - The EcDsStErrorFilesGenerator was not checking the existence of the .dat file properly which was causing core dumps if the file exists. This fix checks the existence and then checks the return from the removal of the file if it exists (cont. #24).)

24. Proposed Solution: (use additional sheets if necessary)
ECSed29225 - This fixes the problem with the staging disk tag overflow
ECSed28291 - This fixes the cleanup of the DsStGenericRequest table.

Test Executable 6A.02_STMGT.02 to VATC, & PVC to improve STMGT performance.

25. Alternate Solution: (use additional sheets if necessary)
Wait for turnover of 6A.03 to the PVC.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
6A.02 Stress testing in PVC can not proceed.

27. Justification for Emergency (If Block 15 is "Emergency"):
Resolves Immediate problem (see block 26). At least one NCR appears as and item on the ECS Top Priority List (11/5/00).

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☐EDC ☐GSFC ☐LaRC ☐NSIDC ☒SMC ☐AK ☐JPL
☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): _(signature)_ Randall Mille 12/7/00	Disposition: (Approved) App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): _(signature)_ for Gary Shaw 12/7/00	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

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ORIGINAL

ECS/EDF/SCDV/M&O

CCR #: *00-1136* **Rev:** — **Originator:** Evan Winston

Telephone: 301.925.0348 **Office:** DEV/CO

Title of Change: Test Executable 6A.02_STMGT.02 to VATC, & PVC. . STMGT fixes to improve performance.

CM:
PLEASE, build one SGI IRIX 6.5 TAR file(s) for the listed packages from the 6A.02 baseline and provide to the SMC.

.EcDsStArchive.pkg
.EcDsStDatabase.pkg
.EcDsStFtpDisNoBrowse.pkg
.EcDsStIngestFtp.pkg
.EcDsStPullMonitor.pkg
.EcDsStRequestManager.pkg

And one SUN TAR file(s) for the packages listed from the 6A.02 baseline and provide to the SMC.:
.EcDsStGUI.pkg
.EcDsStMediaDis.pkg

SMC: Provide the Tar file to the PVC and VATC.

Install Instructions:

Please NOTE: This TE is to be loaded on top of 6A.02 installations
 NOTE: Distribution to PVC and VATC.
1. Locate the TAR files.
2. unTAR the packages and place in staging areas
3. ECS Assist should be used to reinstall STMGT (refer to the 6A.02 install instructions).

Note: for install in the PVC help will be available from the construction office and STMGTfor the installation
and running the db scripts.

We are not delivering official database patches because we want to ensure that the 6A.02 databases can be patched up to 6A.03
when Drop 6A.03 is delivered. However, we are delivering two scripts that will make changes to the database without updating
the database version.

There are several fixes that require scripts to run:

EcDsStSDDiskTagFix fixes NCR 29225. It makes schema changes for the Staging Disk tables.
To run the script type the following:
        EcDsStSDDiskTagFix <MODE> < DBO> <DBO_PASSWD> <SQL_SERVER> <DBNAME>
An output log file EcDsStSDDiskTagFix.log will be written to /usr/ecs/<MODE>/CUSTOM/logs.

EcDsStDbGRClean.ksh loads stored procedures that fix NCRs 28794 and 28291. To run the script, type the following:
        EcDsStDbGRClean.ksh <MODE> < DBO> <DBO_PASSWD> <SQL_SERVER> <DBNAME>

EcDsStDbGRCleanup.ksh is the script that cleans up the DsStGenericRequest database table. It can be run manually or set up
in a cron job. Deborah Hall or Wenhsing Yang can set up the cron job.

CM01AJA00

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